

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A plant infected with a modified plant virus, said modified plant virus comprising modified plant viral nucleic acid and expressed plant viral coat protein, said modified plant viral nucleic acid comprising a nucleotide sequence coding for a foreign peptide from an animal virus inserted into plant viral genomic nucleic acid that codes for an expressed native portion of the plant viral coat protein, said inserted nucleotide sequence being an addition to the existing native functional plant viral nucleic acid, ~~said foreign peptide being greater than five amino acids in length and up to approximately twenty amino acids in length~~, wherein said plant contains assembled modified plant virus resulting from the assembly of said modified plant virus.

2-3. (Cancelled)

4. (Previously Presented) The plant of Claim 1, wherein said nucleotide sequence coding for a foreign peptide is from Foot and Mouth disease virus.

5. (Previously Presented) The plant of Claim 1, wherein said nucleotide sequence coding for a foreign peptide is from human immune deficiency virus.

6. (Previously Presented) The plant of Claim 1, wherein said nucleotide sequence coding for a foreign peptide is from human rhinovirus.

7. (Previously Presented) The plant of Claim 1, wherein said modified plant virus is an RNA virus.

8. (Previously Presented) The plant of Claim 1, wherein said modified plant virus is a modified comovirus.

9. (Currently Amended) A method of producing modified plant virus particles, comprising:

- a) providing i) plant material selected from the group consisting of an intact plant, plant tissue, plant cells and protoplasts, ii) a plant virus having a plant viral genome, and iii) a nucleotide sequence coding for a foreign peptide from an animal virus, said foreign peptide being greater than five amino acids in length and up to approximately twenty amino acids in length;
- b) introducing said nucleotide sequence coding for a foreign peptide at that part of said plant viral genome that codes for an expressed native portion of the viral coat protein, so as to insert said nucleotide sequence as an addition to the existing native functional nucleic acid, thereby creating modified viral nucleic acid;
- c) infecting said plant material with said modified viral nucleic acid, so as to create an infected plant material; and
- d) harvesting assembled plant virus particles from said infected plant material resulting from the assembly of said modified viral nucleic acid.

10-11. (Cancelled)

12. (Previously presented) The assembled plant virus particles of Claim 9, wherein said nucleotide sequence coding for a foreign peptide is from Foot and Mouth disease virus.

13. (Previously presented) The assembled plant virus particles of Claim 9, wherein said nucleotide sequence coding for a foreign peptide is from human immune deficiency virus.

14. (Previously presented) The assembled plant virus particles of Claim 9, wherein said nucleotide sequence coding for a foreign peptide is from human rhinovirus.

15. (Previously presented) The method of Claim 9, wherein said plant virus is an RNA virus.
16. (Previously presented) The method of Claim 9, wherein said plant virus is a modified comovirus.